

Basic Dataverse Training for Astronomy

August Muench, CfA 2012

Dataverse is an open-source application for publishing, citing & discovering research data

Dataverse is a collaboration of



HARVARD
LIBRARY



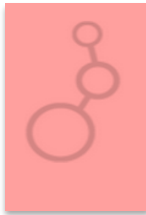
HARVARD
UNIVERSITY
Information Technology



Training Agenda



Examples and Basics of Dataverse



Astronomy – Specific Usages



Hands-on Tutorial

Examples & Basics of Dataverse

The Astronomy Dataverse Network:

- Is for Harvard faculty, Smithsonian staff, their postdocs and students;
- Connects to:
 - Other Institutional Dataverse Networks;
 - NASA/SAO ADS;
 - The Virtual Observatory (*future*).

Powered by the **Dataverse Network** PROJECT v. 3.2

Astronomy Dataverse Network

This is the Astronomy data repository for Harvard affiliates. The project is a collaboration of the [Seamless Astronomy](#) group at the Harvard-Smithsonian Center for Astrophysics, the [ADS](#), the [Wolbach Library](#), and [IQSS](#) with support from the FAS Science Research Computing.

Released Dataverses

Search Studies [Advanced Search Tips](#)

[ALL](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

Dataverses: 6 | Studies: 68 | Files: 547

Name	Affiliation	Released	Activity
CIA Library Datasets View Info [+]	Harvard-Smithsonian Center for Astrophysics	Aug 17, 2012	■ ■ ■ ■ ■
theastrodata.org View Info [+]	theastrodata.org	Apr 2, 2012	■ ■ ■ ■ ■
Soderberg, Alicia	Harvard University	Feb 6, 2012	■ ■ ■ ■ ■
Astroinformatics of galaxies & quasars View Info [+]	Harvard-Smithsonian Center for Astrophysics	Oct 12, 2011	■ ■ ■ ■ ■
COMPLETE View Info [+]	Harvard-Smithsonian Center for Astrophysics	Jun 23, 2011	■ ■ ■ ■ ■
1.2 Meter CO Survey View Info [+]	Smithsonian Astrophysical Observatory	May 23, 2011	■ ■ ■ ■ ■

[About](#) | [Research](#) | [Education & Outreach](#) | [Facilities](#) | [Opportunities](#) | [Events](#) | [Press Room](#) | [Contacts](#) | [Contribute to CIA](#) | [Privacy](#)

HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS | 60 GARDEN STREET | CAMBRIDGE, MA 02138

Astronomy Databases Include:

- Projects:
 - Grant Oriented;
 - Collaborations;

The screenshot shows the COMPLETE Dataverse website. The header includes the COMPLETE logo and the full name: "The COordinated Molecular Probe Line Extinction Thermal Emission Survey of Star Forming Regions". Navigation buttons for Data, Results, Projects, People, Learn, and Restricted are visible. A search bar and user options (August Muench, Log Out) are in the top right. The main content area describes the project and includes a link to an Interactive Coverage Tool. A search results table is displayed below, listing studies with their titles, descriptions, and download statistics.

COMPLETE	Search Studies	Go	Advanced Search Tips
<input type="checkbox"/> within this collection			
Sort By: [v]	Studies: 27	[<<] [<] [1] [2] [3] [>>] [v]	
2MASS Extinction	Replication data for NH3 and CCS at the GBT in Perseus	hd:10904/10097	11329 downloads
Cambresy R-band	by COMPLETE team		Last Released: Nov 18, 2011
CSO/Bolocam 1.1-mm	Abstract: Description:		
FCRAO CO Data	NH3 (1-1) and (2-2) and CCS (2-1) spectra towards (sub-)millimeter cores across Perseus. Positions of pointings are shown as red circles overlaid on a Near-Infrared Extinction map made from 2MASS data. Hover over a red circle ...Continue [-]		
GBT Ammonia	Replication data for: IRAS Based Thermal Emission Maps of Taurus	hd:10904/10094	9259 downloads
GBT HI	by COMPLETE team		Last Released: Sep 27, 2011
IRAS Thermal Emission	Replication data for: IRAS Based Thermal Emission Maps of	hd:10904/10093	
SCUBA/JCMT Submm			
Spitzer/MIPS Emission			
Taurus			

Astronomy Dataverses Include:

- Projects:
 - Grant Oriented;
 - Collaborations;
 - **Individuals.**

The screenshot shows a web browser window with the URL `scholar.harvard.edu/asoderberg/data`. The page is titled "Data | Dr. Alicia Margarita Soderberg" and features a navigation menu on the left with the following items: Biography, Supernova Forensics, Astronomy Courses, Group Members, Publications, Dataverse, and Press Releases. The main content area includes a header for Dr. Alicia Margarita Soderberg, Assistant Professor, Harvard Astronomy Department, with her contact information and a Harvard logo. Below this is a section for the "Supernova Forensics Dataverse" powered by the "Dataverse Network v. 3.2". A search bar and "Advanced Search Tips" are present. A list of studies is shown, with one study titled "Replication data for: Panchromatic Observations of SN2011dh" by Alicia Soderberg, with an abstract and a "Continue" link.

Astronomy Databases Include:

- Projects:
 - Grant Oriented;
 - Collaborations;
 - Individuals
- Data for:
 - Papers

Replication data for: Catalogs of WGE PHOTOMETRIC REDSHIFTS FOR SDSS CANDIDATE QUASARS
hdl:10904/10110
Version: 2- Released: Wed Feb 29 13:11:53 EST 2012

CATALOGING INFORMATION | Data & Analysis | Comments (0) | Versions

Data Citation

If you use these data, please add the following citation to your scholarly references. [Why cite?](#)

O. Laurino; R. D'Abrusco; G. Longo; G. Riccio, "Replication data for: Catalogs of WGE photometric redshifts for SDSS candidate quasars", <http://hdl.handle.net/10904/10110> theastrodata [Distributor] V2 [Version]

Citation Format

Original Publication Laurino et al. 2011

Publications D'Abrusco et al. 2007; D'Abrusco et al. 2009

Data Citation Details

Study Global ID	hdl:10904/10110
Other ID	http://arxiv.org:1107.3160v1 ; http://adsabs.harvard.edu:2011MNRAS.418.2165L ; http://dx.doi.org:10.1111/j.1365-2966.2011.19416.x
Authors	O. Laurino (Astronomical Observatory of Trieste - INAF, Trieste, Italy); R. D'Abrusco (Harvard-Smithsonian Center for Astrophysics - Cambridge (MA), US); G. Longo (Department of Physical Sciences - University of Naples, Naples, Italy); G. Riccio (Department of Physical Sciences - University of Naples, Naples, Italy)
Software	Fast Artificial Neural Network library, n/a; R, n/a; STILTS, n/a
Distributor	theastrodata, Harvard
Contact	August Muench (Smithsonian), onlineastronomy@gmail.com
Deposit Date	October 20, 2011
Provenance	Astroinformatics of galaxies & quasars Dataverse

Astronomy Dataverses Include:

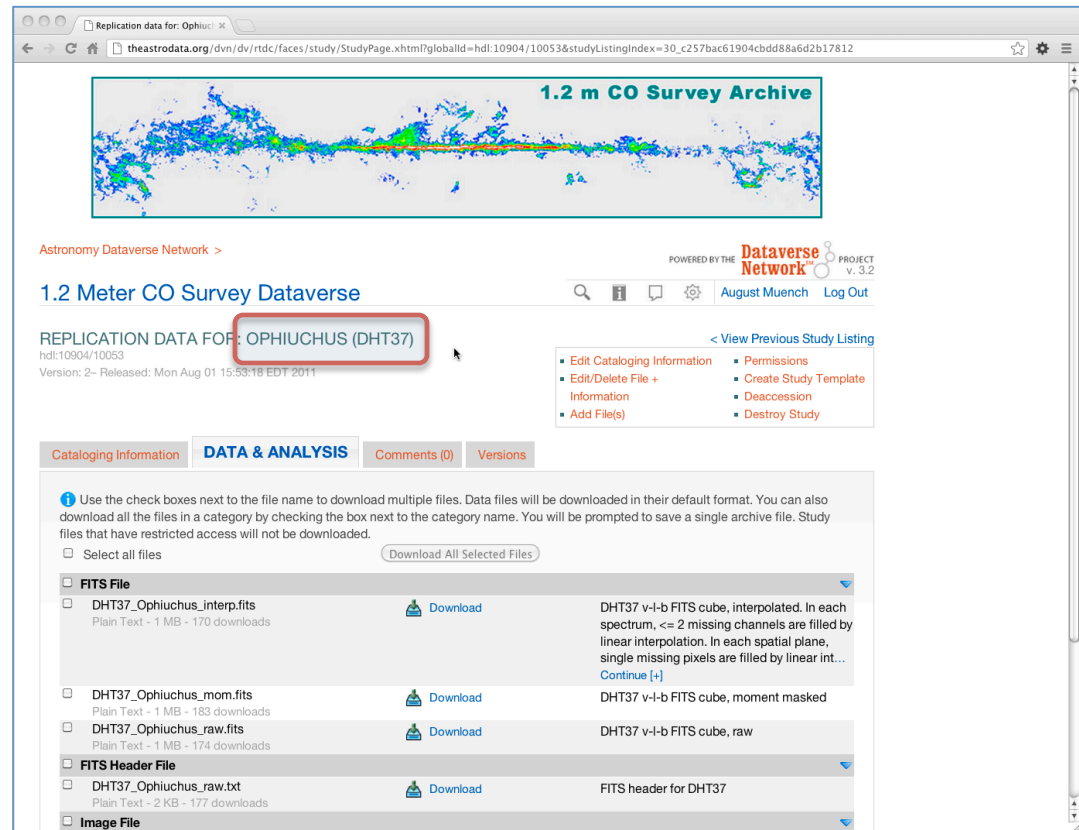
- **Projects:**
 - Grant Oriented;
 - Collaborations;
 - Individuals.
- **Data for:**
 - Papers
 - **Astronomical Objects**

The screenshot shows a web browser window displaying the Supernova Forensics Dataverse page for Dr. Alicia Margarita Soderberg. The page features a navigation sidebar on the left with categories like Biography, Supernova Forensics, Astronomy Courses, Group Members, Publications, Dataverse, and Press Releases. The main content area includes a header for Dr. Soderberg, her affiliation with Harvard, and a search bar. A red box highlights the title of the data object: "REPLICATION DATA FOR: PANCHROMATIC OBSERVATIONS OF SN2011DH". Below this, there are tabs for "CATALOGING INFORMATION", "Data & Analysis", "Comments (0)", and "Versions". The "CATALOGING INFORMATION" tab is active, showing a citation format and a table of details.

Data Citation Details	
Study Global ID	hdl:10904/10126
Authors	Alicia Soderberg (Harvard University)
Production Date	2011
Contact	Alicia Soderberg (Harvard University), asoderberg@cfa.harvard.edu
Distribution Date	2011
Deposit Date	January 08, 2012
Provenance	Supernova Forensics Dataverse

Astronomy Dataverses Include:

- **Projects:**
 - Grant Oriented;
 - Collaborations;
 - Individuals
- **Data for:**
 - Papers
 - Astronomical Objects
 - **Observations**



The screenshot displays the web interface for the 1.2 m CO Survey Dataverse. At the top, there is a header with the text "1.2 m CO Survey Archive" and a visualization of a CO survey data distribution. Below the header, the page is titled "1.2 Meter CO Survey Dataverse" and includes navigation links for "August Muench" and "Log Out". The main content area shows "REPLICATION DATA FOR: OPHIUCHUS (DHT37)" with a red box highlighting the project name. A sidebar on the right contains a menu with options like "Edit Cataloging Information", "Permissions", and "Create Study Template". The main section is divided into tabs: "Cataloging Information", "DATA & ANALYSIS", "Comments (0)", and "Versions". Under the "DATA & ANALYSIS" tab, there is a list of files for download, including FITS files and a FITS header file. Each file entry includes a checkbox, a "Download" button, and a brief description of the file's content.

Astronomy Dataverses Include:

- **Projects:**
 - Grant Oriented;
 - Collaborations;
 - Individuals.
- **Data for:**
 - Papers
 - Astronomical Objects
 - Observations
 - **Aggregations of datasets by wavelength, time, etc.**

The screenshot shows a web browser window displaying the COMPLETE Dataverse interface. The page title is "COMPLETE The COordinated Molecular Probe Line Extinction Thermal Emission Survey of Star Forming Regions". The URL is "theastrodata.org/dvn/dv/complete/faces/study/StudyPage.xhtml?globalId=hdl:10904/10087&studyListingIndex=35_c257bac61904cadd88a6d2b17812". The page features a navigation menu on the left with buttons for "Data", "Results", "Projects", "People", "Learn", and "Restricted". The main content area displays the study title "REPLICATION DATA FOR: ALL OPHIUCHUS IN SUB-MILLIMETER CONTINUUM (850 MICRONS)" and a list of files for download. The files are categorized into "FITS File" and "Image File". The "FITS File" category includes "OphA_850umJCMT_F_v3.fits" (17 MB, 196 downloads) and "OphA_dextrnJCMT_F.fits" (14 MB, 143 downloads). The "Image File" category includes "OphA_850umJCMT_F.jpg" (52 KB, 230 downloads). The interface also includes a search bar, a user profile for "August Muench", and a "Log Out" button. A "Data & Analysis" tab is selected, and a "Download All Selected Files" button is visible.

Researchers use the Dataverse Network to:

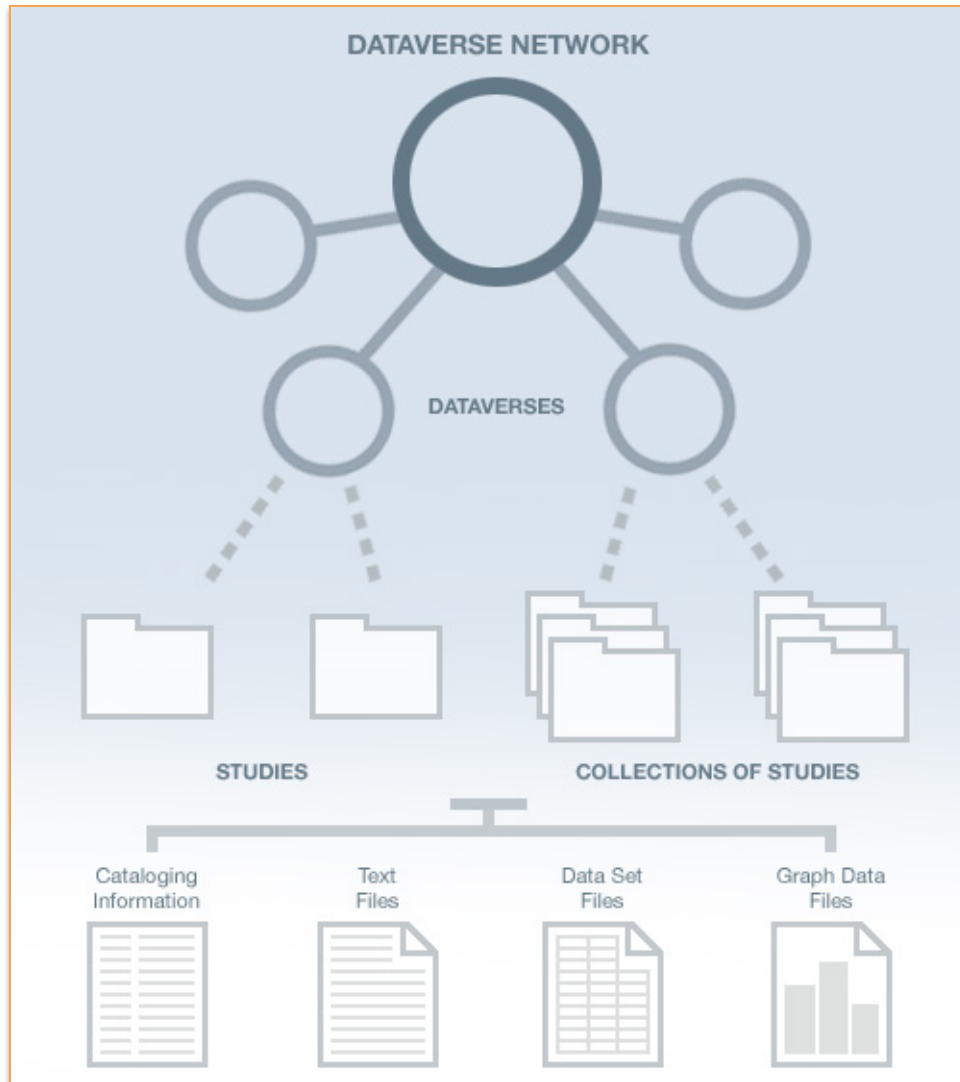
- Archive data;
- Supplement publications;
- Fulfill data management requirements of funding agencies;
- Increase recognition;
- Enhance impact;
- Gain access control.

Defining Terms

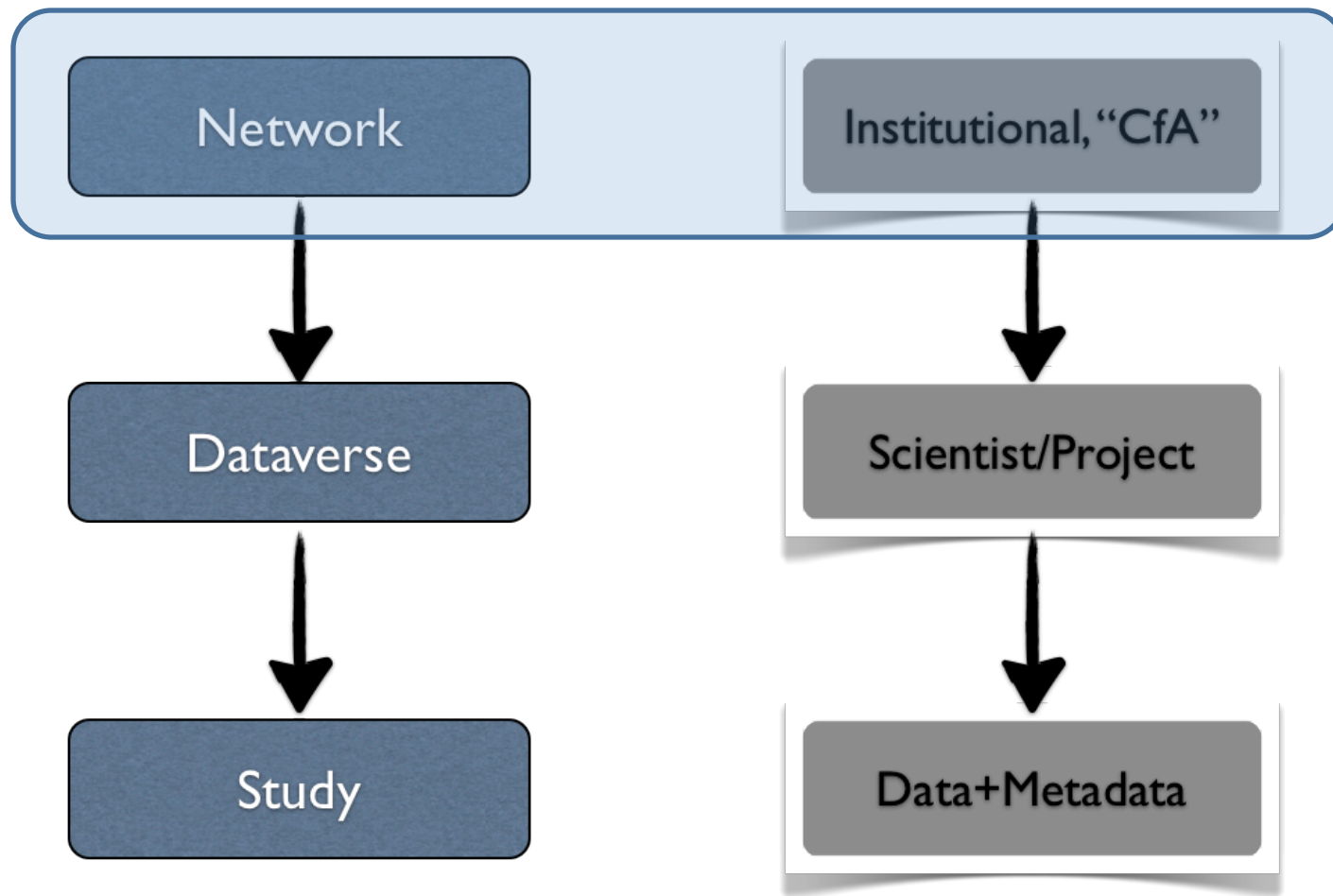
Dataverse Network:

Web-based software for data management that can be used as a data repository to store, preserve, cite and publish data.

- **Dataverse**: a *container*, created by a user (or project or institution) on the Dataverse Network web site, *to store all of their research data*.
- **Study**: a specific cataloged object within a user's or institution's Dataverse to which related data files are attached. These can be files from *published research*, from research that is *in progress*, or just a *set of data*.
- **Files**: These are the *research data and supplemental information* files produced during research that need to be preserved.



Dataverse Network Diagram



Astronomy Dataverse Network

POWERED BY THE **Dataverse Network** PROJECT v. 3.2
August Muench Log Out

This is the Astronomy data repository for Harvard affiliates. The project is a collaboration of the [Seamless Astronomy](#) group at the Harvard-Smithsonian Center for Astrophysics, the [ADS](#), the [Wolbach Library](#), and [IGSS](#) with support from the FAS Science Research Computing.

Released Datasets [Advanced Search Tips](#)

[ALL](#) | [A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

Datasets: 6 | Studies: 68 | Files: 547

Name	Affiliation	Released	Activity
CfA Library Datasets View Info [+]	Harvard-Smithsonian Center for Astrophysics	Aug 17, 2012	■ ■ ■ ■ ■
theastrodata.org View Info [+]	theastrodata.org	Apr 2, 2012	■ ■ ■ ■ ■
Soderberg, Alicia	Harvard University	Feb 6, 2012	■ ■ ■ ■ ■
Astroinformatics of galaxies & quasars View Info [+]	Harvard-Smithsonian Center for Astrophysics	Oct 12, 2011	■ ■ ■ ■ ■
COMPLETE View Info [+]	Harvard-Smithsonian Center for Astrophysics	Jun 23, 2011	■ ■ ■ ■ ■
1.2 Meter CO Survey View Info [+]	Smithsonian Astrophysical Observatory	May 23, 2011	■ ■ ■ ■ ■

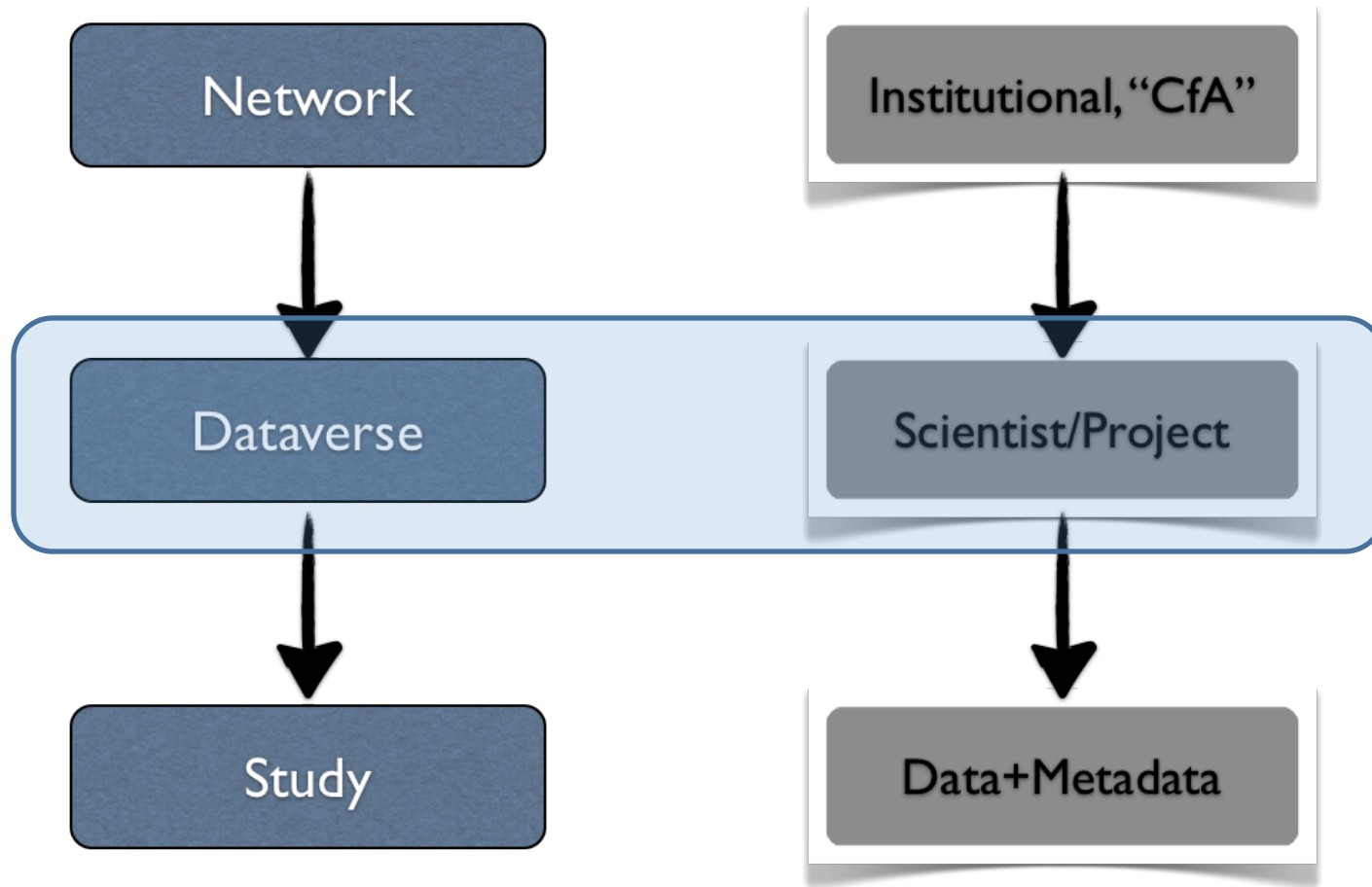
[About](#) | [Research](#) | [Education & Outreach](#) | [Facilities](#) | [Opportunities](#) | [Events](#) | [Press Room](#) | [Contacts](#) | [Contribute to CfA](#) | [Privacy](#)

HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS | 60 GARDEN STREET | CAMBRIDGE, MA 02138

The Astronomy Dataverse Network

The Astronomy Dataverse *network* is the administration layer, or an umbrella that lets us manage all the projects from the Harvard-Smithsonian Center for Astrophysics.

Dataverse Network Diagram



COMPLETE The COordinated Molecular Probe Line Extinction Thermal Emission Survey of Star Forming Regions

Astronomy Dataverse Network >

POWERED BY THE **Dataverse Network** PROJECT v. 3.2
August Muench Log Out

COMPLETE Dataverse

The COordinated Molecular Probe Line Extinction Thermal Emission Survey of Star Forming Regions (COMPLETE) provides a range of data complementary to the Spitzer Legacy Program "From Molecular Cores to Planet Forming Disks" (c2d) for the Perseus, Ophiuchus and Serpens regions. In combination with the Spitzer observations, COMPLETE will allow for detailed analysis and understanding of the physics of star formation on scales from 500 A.U. to 10 pc.

Our Interactive Coverage Tool allows you to see which areas are covered by which data sets in [World Wide Telescope](#) (requires Silverlight plugin) or [Google Sky](#).

COMPLETE

Search Studies [Advanced Search Tips](#)

within this collection

Sort By: Studies: 27

Replication data for: NH3 and CCS at the GBT in Perseus by COMPLETE team

Abstract: **Description:** NH3 (1-1) and (2-2) and CCS (2-1) spectra towards (sub-)millimeter cores across Perseus. Positions of pointings are shown as red circles overlaid on a Near-Infrared Extinction map made from 2MASS data. Hover over a red circle ...[Continue](#) [+]

hdi:10904/10097
11329 downloads
Last Released: Nov 18, 2011

Replication data for: IRAS Based Thermal Emission Maps of Taurus by COMPLETE team

hdi:10904/10094
9259 downloads
Last Released: Sep 27, 2011

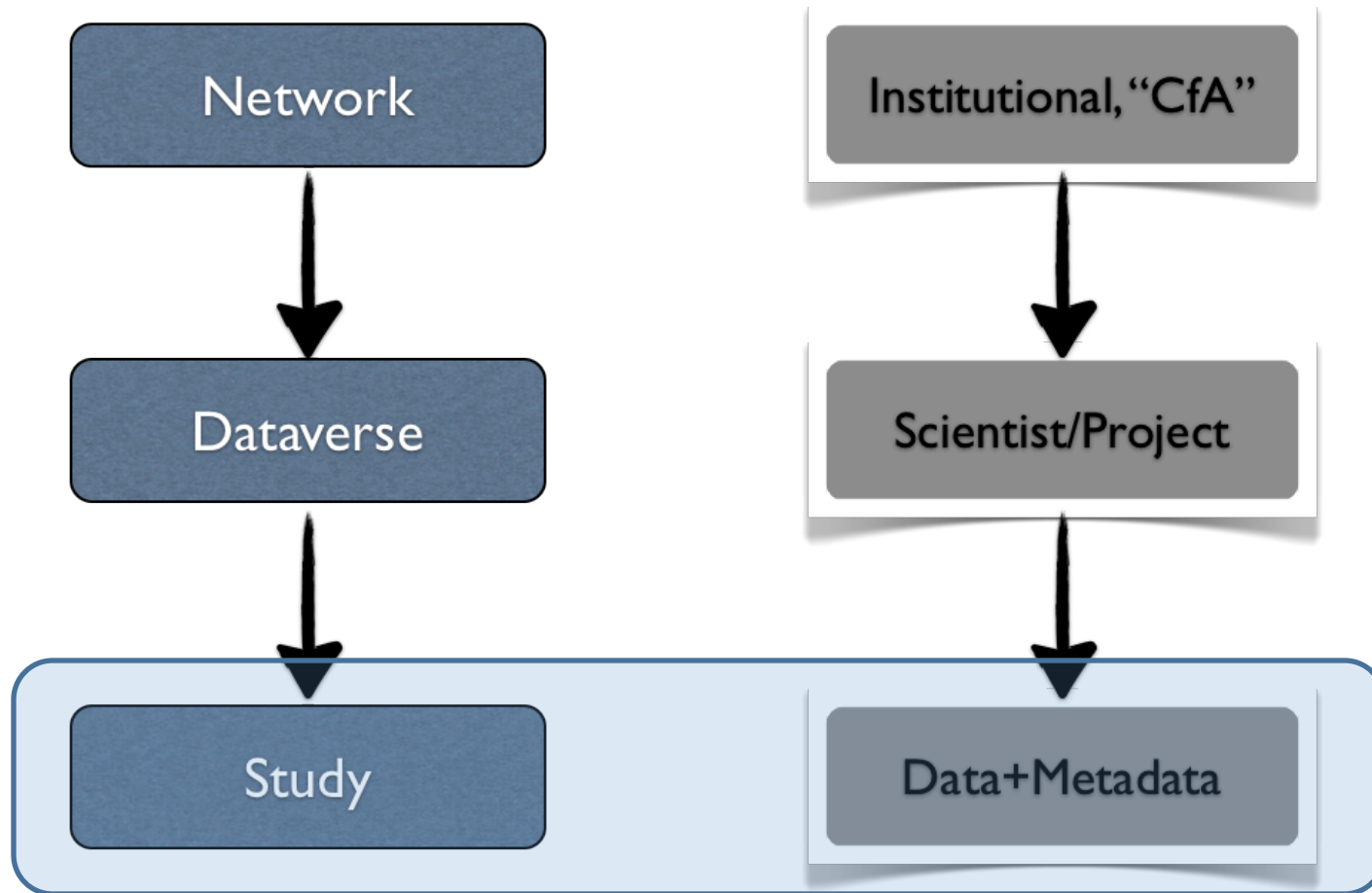
Replication data for: IRAS Based Thermal Emission Maps of Taurus by COMPLETE team

hdi:10904/10093

The “COMPLETE” Dataverse

The COMPLETE project created a single *Dataverse* for all the datasets and subprojects related to their work.

Dataverse Network Diagram



Replication data for: Ophiuchus

theastrodata.org/dvn/dv/rtdc/faces/study/StudyPage.xhtml?globalId=hdl:10904/10053&studyListingIndex=30_c257bac61904cbdd88a6d2b17812

1.2 m CO Survey Archive

Astronomy Dataverse Network >

1.2 Meter CO Survey Dataverse

REPLICATION DATA FOR: OPHIUCHUS (DHT37)
hdl:10904/10053
Version: 2- Released: Mon Aug 01 15:53:18 EDT 2011

POWERED BY THE **Dataverse Network** PROJECT v. 3.2
August Muench Log Out

< View Previous Study Listing

- Edit Cataloging Information
- Edit/Delete File + Information
- Add File(s)
- Permissions
- Create Study Template
- Deaccession
- Destroy Study

Cataloging Information | **DATA & ANALYSIS** | Comments (0) | Versions

Use the check boxes next to the file name to download multiple files. Data files will be downloaded in their default format. You can also download all the files in a category by checking the box next to the category name. You will be prompted to save a single archive file. Study files that have restricted access will not be downloaded.

Select all files

<input type="checkbox"/> FITS File		
<input type="checkbox"/> DHT37_Ophiuchus_interp.fits Plain Text - 1 MB - 170 downloads	Download	DHT37 v-l-b FITS cube, interpolated. In each spectrum, <= 2 missing channels are filled by linear interpolation. In each spatial plane, single missing pixels are filled by linear int... Continue (+)
<input type="checkbox"/> DHT37_Ophiuchus_mom.fits Plain Text - 1 MB - 183 downloads	Download	DHT37 v-l-b FITS cube, moment masked
<input type="checkbox"/> DHT37_Ophiuchus_raw.fits Plain Text - 1 MB - 174 downloads	Download	DHT37 v-l-b FITS cube, raw
<input type="checkbox"/> FITS Header File		
<input type="checkbox"/> DHT37_Ophiuchus_raw.txt Plain Text - 2 KB - 177 downloads	Download	FITS header for DHT37
<input type="checkbox"/> Image File		

The “OPHIUCHUS (DHT37)” Study

The 1.2m CO Survey broke the sky up into individual observing runs with a particular instrument and survey pattern. All the “DHT37” run data are contained in this *study*.

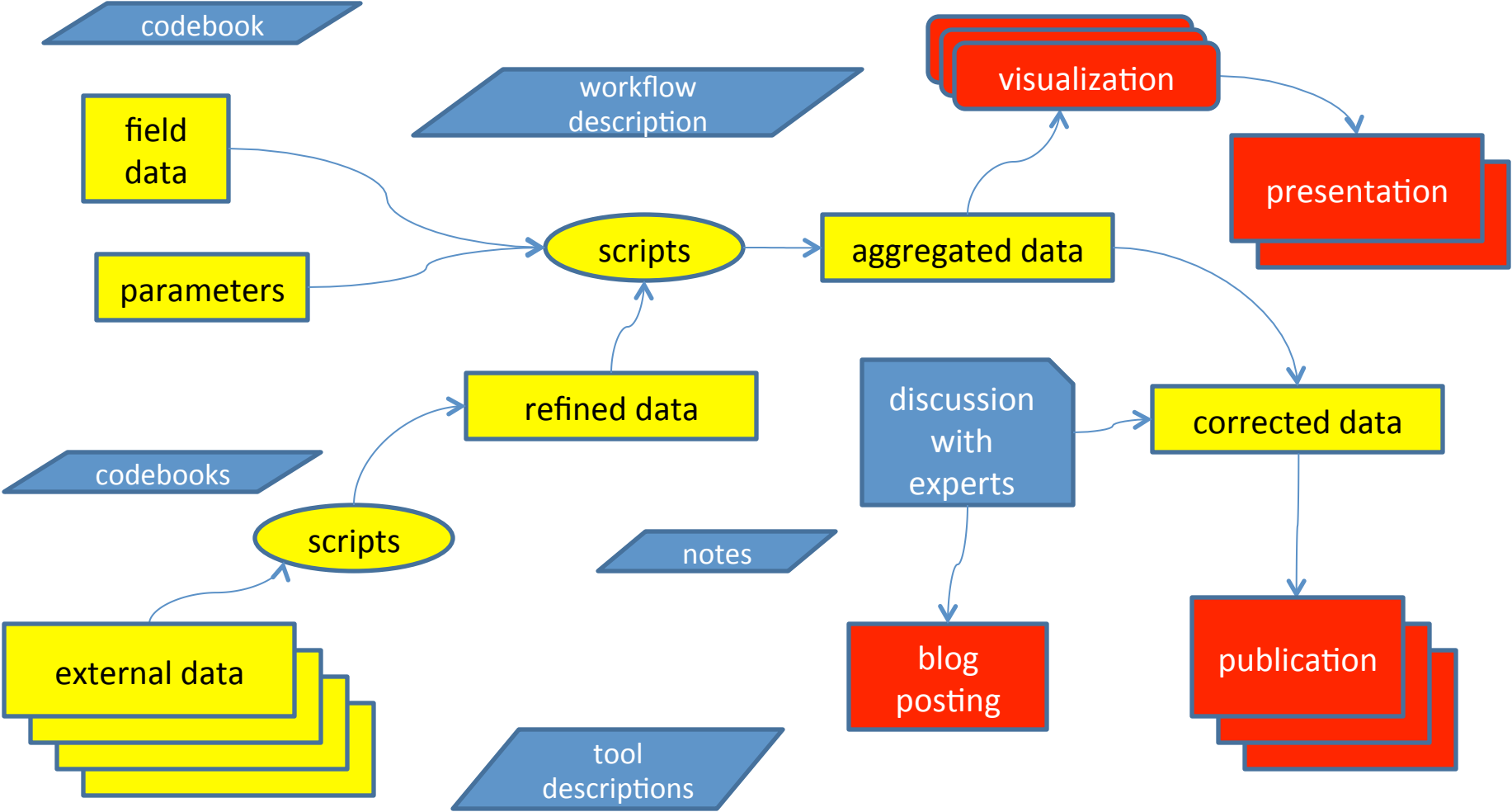
Astronomy Specific Usage of the Dataverse Network

*Advice (tips & recommendations) for
dealing with file formats, study
creation, & terms of use*

What Makes a Study?

- Some kind of Homogenous “Packaging” of the Data
- Examples of Astronomy Packages:
 - Papers
 - Objects
 - Observations
 - Wavelength
 - Intersection of any of these.

What do you package into a Study?



Astronomy File Formats

- Try to choose a simple set of file formats:
 - FITS for Images, Spectra, Data cubes, Tables.
 - *USE FITS AS OFTEN AS POSSIBLE*
- Plain Text Files
 - Use File Extensions (e.g., .txt, .md, .rst, .tex)
- Tables
 - If not FITS then:
 - “Structured” Tables => CSV, Tab Delimited, IPAC Table.
 - Don’t use whatever random plain text table you happen to have lying around.

Astronomy Metadata

- Use the Example Templates
 - Examples include:
 - “Basic”
 - “Publication Data”
 - You can copy these to your own Dataverse
 - *See Advanced Topics*
- Go back and edit your cataloging data!
- Embed metadata in FITS, Tables.

Astronomy Terms of Use

- Follow Domain Behaviors
 - NASA: Public Domain
 - Institutional Observatory:
 - Proprietary periods
 - Citation Standards
- Additional Terms for Reuse:
 - Citation => *Do you have a specific set of related papers that you want cited when these data are reused?*
 - Sharing => *Do you have expectations about how the data will be reused by others?*

Hands-on Tutorial: Create a Dataverse

*Follow steps in this section to create
your own Dataverse*

Dataverse URLs

- Experiment in the “demo” version of the Dataverse Network:

<http://dvn-demo.iq.harvard.edu/dvn>

- Create a real Dataverse in the “production” version of the Dataverse Network:

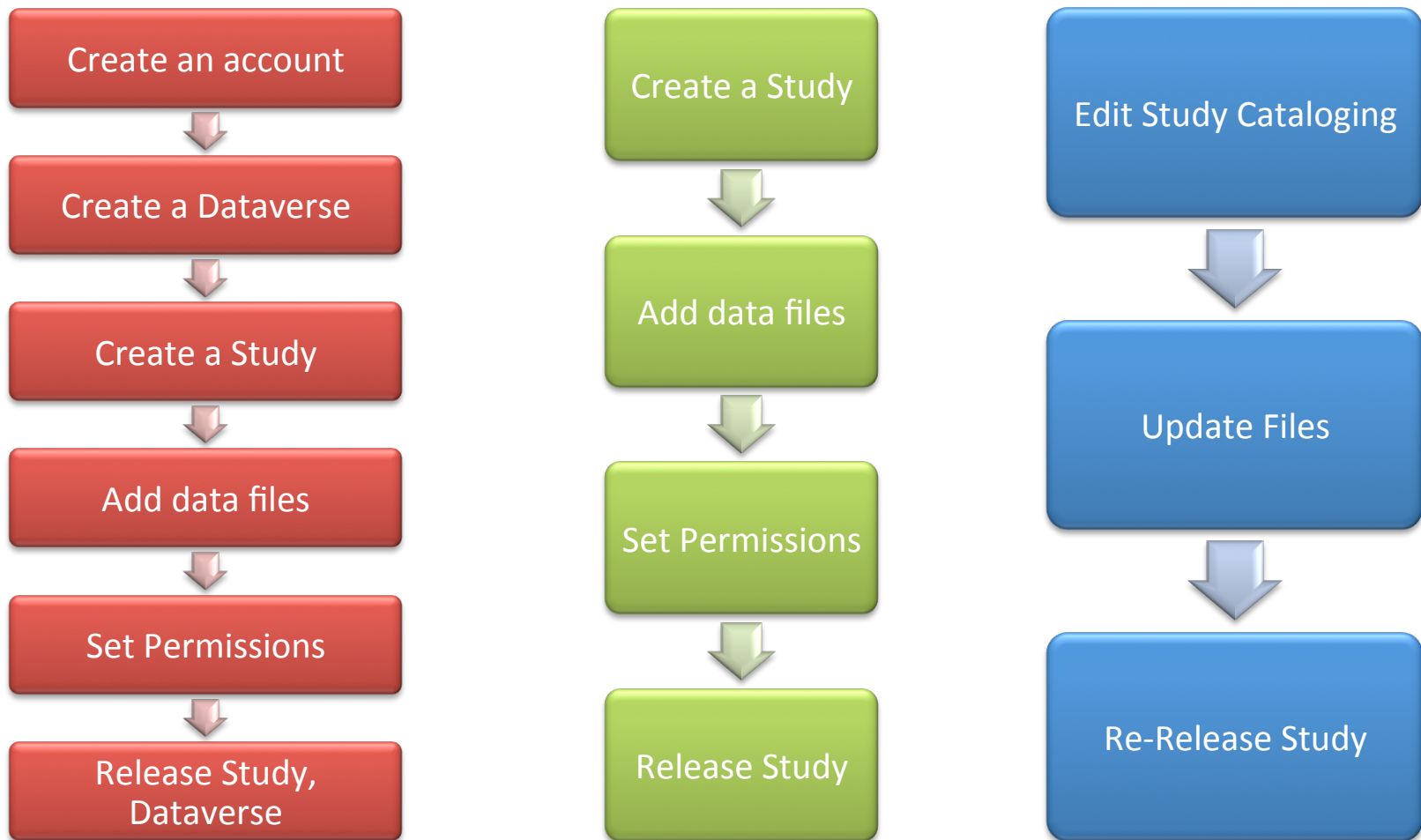
<http://dvn.iq.harvard.edu> (Social Sciences)

<http://theastrodata.org> (Astrophysics)

For More Information

- Digital Scholarship @Harvard
<http://ds.hul.harvard.edu/ds>
 - Schedule of Events
 - Handouts
 - Slides
 - Other resources
- Dataverse Support
dvn_support@help.hmdc.harvard.edu (*registration, bugs, technical help*)
theastrodata@cfa.harvard.edu (*astronomy user community list*)
 - To join email majordomo@cfa.harvard.edu with body text as “*subscribe theastrodata*”

Dataverse Workflow(s)



Create an Account

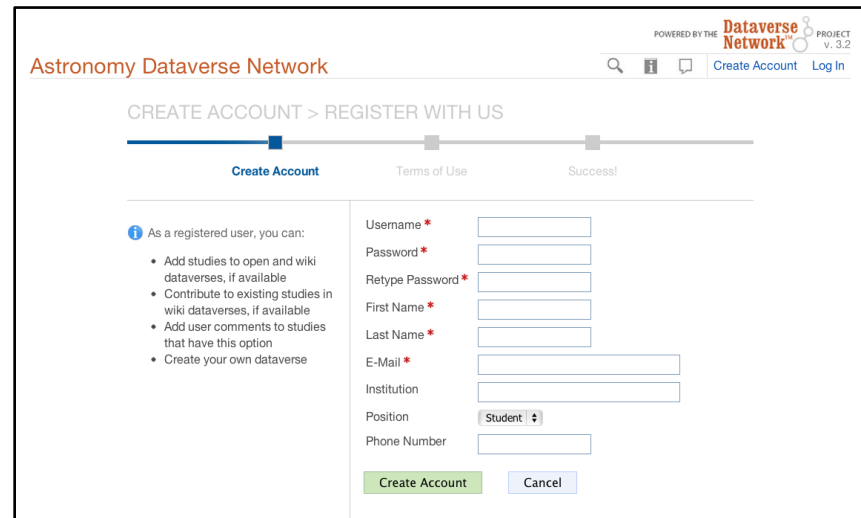
1. Go to the Dataverse Network

- Demo: <http://dvn-demo.iq.harvard.edu/dvn>
- Real: <http://theastrodata.org>

2. Select “Create Account”

3. Complete account form.

4. Log in.



The screenshot shows the 'Astronomy Dataverse Network' registration page. At the top right, it says 'POWERED BY THE Dataverse Network PROJECT v. 3.2'. The page title is 'Astronomy Dataverse Network' and there are links for 'Create Account' and 'Log In'. Below the title is a progress bar with three steps: 'Create Account' (active), 'Terms of Use', and 'Success!'. The main content area is titled 'CREATE ACCOUNT > REGISTER WITH US'. On the left, there is an information icon and text: 'As a registered user, you can:' followed by a bulleted list: 'Add studies to open and wiki dataverses, if available', 'Contribute to existing studies in wiki dataverses, if available', 'Add user comments to studies that have this option', and 'Create your own dataverse'. On the right, there is a registration form with the following fields: 'Username *', 'Password *', 'Retype Password *', 'First Name *', 'Last Name *', 'E-Mail *', 'Institution', 'Position' (with a dropdown menu set to 'Student'), and 'Phone Number'. At the bottom of the form are two buttons: 'Create Account' (green) and 'Cancel' (blue).

Create Dataverse

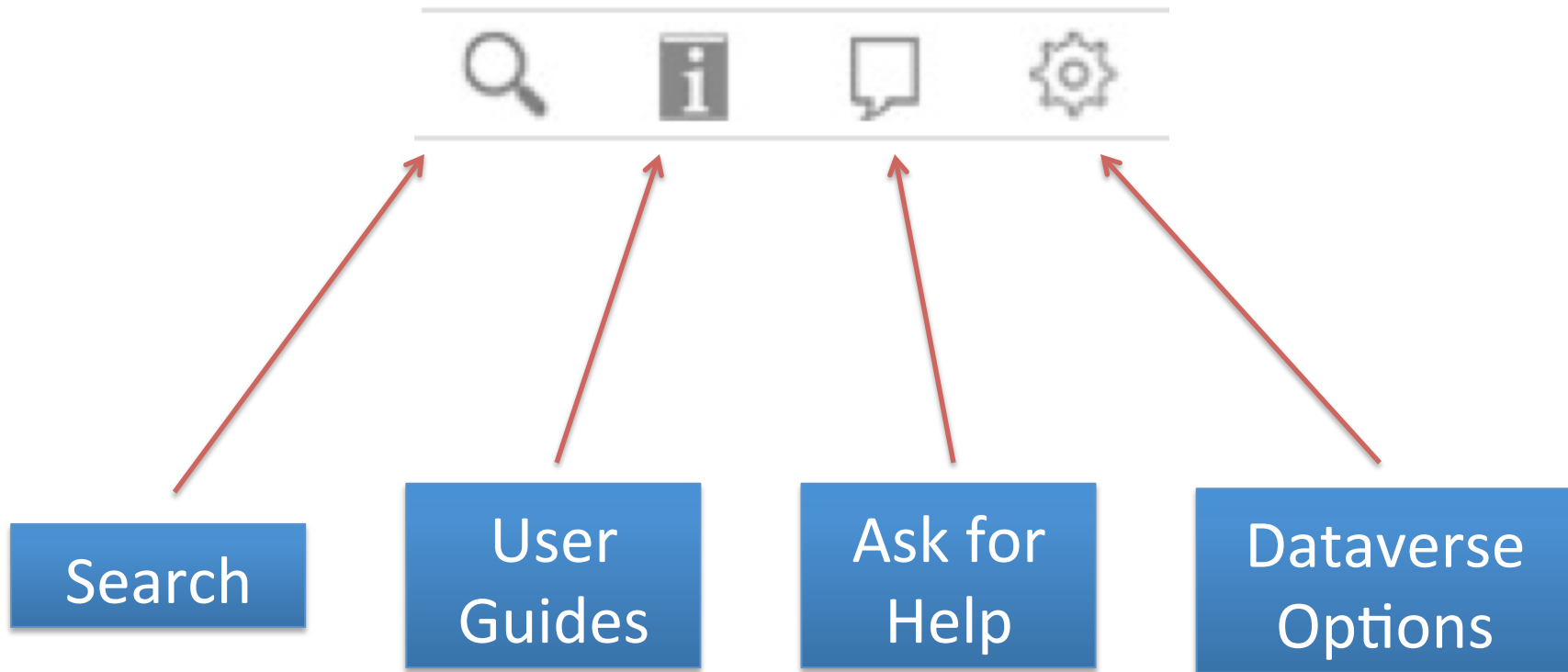
1. Go to the Dataverse Network
 - Demo: <http://dvn-demo.iq.harvard.edu/dvn>
 - Real: <http://theastrodata.org>
2. Select “Create a Dataverse” (*)
3. Choose Dataverse “Type”
 - “scholar” for branding as individual;
 - “basic” if institution or project.
4. Complete form; **Save**.
5. URL to your Dataverse is emailed to you.
 - Bookmark this URL.
It is your Dataverse homepage

CREATE A DATAVERSE
Create a Dataverse to upload your own data sets and create collections of data.

The screenshot shows the 'Astronomy Dataverse Network' interface. At the top right, it says 'POWERED BY THE Dataverse Network PROJECT v. 3.2' and includes a search icon, a user profile icon for 'Gus Muench', and a 'Log Out' link. The main heading is 'Astronomy Dataverse Network'. Below it is a blue button labeled 'CREATE A NEW DATAVERSE'. A blue information icon is followed by the text: 'Complete the fields on this page to create your dataverse. You can select more than one classification and add your dataverse to those groups.' The form fields are: 'Type of Dataverse' with two radio buttons: 'Basic -- Choose this option if you are creating a dataverse for a university, department, journal, research center, or other organizational entity.' and 'Scholar -- Choose this option if the dataverse will have your own name and contains your research project data.'; 'Affiliation' with a text input field and the label 'University, center, or research project.'; 'Dataverse Name *' with a text input field and the label 'Name used to refer to this dataverse in Dataverse Network Homepage and other pages.'; 'Dataverse Alias *' with a text input field and the label 'Short name used to build the URL for this dataverse, e.g., http://.../dv/alias'. It is case sensitive.'; 'Network Home Page Description' with a text input field and the label 'Short description to appear on the network home page with your dataverse listing.'; and 'Classification' with the label 'There are no classifications set up for this dataverse network.' At the bottom are 'Save' and 'Cancel' buttons.

(*) If the “Create a Dataverse” button is not present then go to:
<http://theastrodata.org/dvn/faces/site/AddSitePage.xhtml>

Key to Dataverse Options Menu



Create a Study

1. Go to your Dataverse homepage and click the Dataverse **Options Icon**.
2. Click **“Create Study”**.
3. Enter a *title*.
4. A *study ID* is automatically created.
5. Click **Save**.

DRAFT Study Version: 1
Created: Draft study version is not created until the form is saved

Enter descriptive information about your study on the Cataloging Information page. These fields comprise the metadata that describe this fields are required [*] or recommended [*].

Fields with a light blue background [] indicate that the field accepts HTML formatting. Fields with a light orange background [] indicate required (YYYY or YYYY-MM or YYYY-MM-DD). You also can add a new row [] if needed, such as to include multiple authors, or remove

Click Save to upload files, set permissions, and more.

Select Study Template: Basic

Show Required and Recommended Fields Show All Fields

Title *

Data Citation Information

The Data Citation is generated automatically by the Dataverse based on the information entered below.

Study ID * hdl:10904/
10176

Deposit Date * 2012-10-11
(YYYY or YYYY-MM or YYYY-MM-DD; AD or BC optional)

Description and Scope





Description *
Copying and pasting from a Word document can create errors when you save this page.

Description

Note: *Title* is the minimum requirement, but additional catalog information should be provided!

Example Dataset

- You can download an example dataset from
 - <http://bit.ly/astrodynex01>
- It contains:
 - README.txt
 - spectra.fits
 - analysis.png
 - results.tbl

Name	Size
 README.txt	4 KB
 results.tbl	4 KB
 analysis.png	365 KB
 spectra.fits	168 KB

Add Data & Documentation Files (1)

1. View the study you will add data files to.
2. Click the “**Add File(s)**” link in the Action box on the right.
3. Select the “**Choose a Data Type**”:
 - Use “*Other*” for all Astronomy data.
4. Click “**Browse**” & upload a file from your local system.
5. Enter a file “*Category*” for grouping related files within a study:
 - e.g., Documentation, FITS, Image, Tables.
6. Enter a “*Description*” for each file (optional).
7. Click “**Save**” to retain uploaded file(s).

■ Edit Cataloging Information ■ Permissions
■ Add File(s) ■ Create Study Template
■ Edit Study Version Notes ■ Delete Draft Version
■ Release

UPLOAD FILES

i Select the Data Type from the drop-down list. Then click the...
SPSS (.sav or .por), STATA (.dta), CSV (character-separated value files, which can be analyzed online by using the Dataverse Net...
SPSS Control Card file is first required. When selecting a TAB (t...
You can use the file *Category* to define and group the types of f...
After you have selected the file(s) that you would like to add to t...

Other


Choose File No file chosen

Category	Documentation	File Name
<input type="checkbox"/>	Tables	results.tbl
<input type="checkbox"/>	Figures	analysis.png
<input type="checkbox"/>	FITS	spectra.fits
<input type="checkbox"/>	Documentation	README.txt

Add Data & Documentation Files (2)

Repeat for all files in dataset:

- Make sure to use the correct “*Data type*”.
- Click “**Save**” when finished.
- Categories, descriptions, and additional files can also be added later.

<input type="checkbox"/>	Documentation	
<input type="checkbox"/>	README.txt Plain Text - 227 bytes - 0 downloads	 Download
<input type="checkbox"/>	FITS	
<input type="checkbox"/>	spectra.fits Plain Text - 163 KB - 0 downloads	 Download
<input type="checkbox"/>	Image	
<input type="checkbox"/>	analysis.png application/octet-stream - 353 KB - 0 downloads	 Download
<input type="checkbox"/>	Table	
<input type="checkbox"/>	results.tbl Plain Text - 140 bytes - 0 downloads	 Download

Study Permissions

1. View the active study and click the “Permissions” Option in the Action box.
2. Two levels of permission are available:
 - *Entire Study*
 - *Individual File*
3. Allow users to request access to restricted files.

- Edit Cataloging Information
- Add File(s)
- Edit Study Version Notes
- Release
- Permissions
- Create Study Template
- Delete Draft Version

MANAGE STUDY PERMISSIONS

Restrict or permit access to this study, all files uploaded to the study, or selected files only. You can restrict all users, or permit selected users to access the study or files.

ENTIRE STUDY PERMISSION SETTINGS

Cataloging Information and File Settings: **Public** If this setting is public, files can still be restricted below.

User Restricted Study Settings: Username/Group: **Add**
Enter username/group to allow restricted study access.

FILE PERMISSION SETTINGS

Restricted File Settings: Allow users to request access to restricted files for this study (you will get an email notification for each request).

INDIVIDUAL FILE PERMISSION SETTINGS

Restricted File User Access: Select file and enter username/group to allow restricted file access, or set the file permission. (The single update button works for either field.) Select multiple users/groups by checking the boxes under User/Group Restricted File Access.

Username:
File Permission: **Choose permission...** **Update**

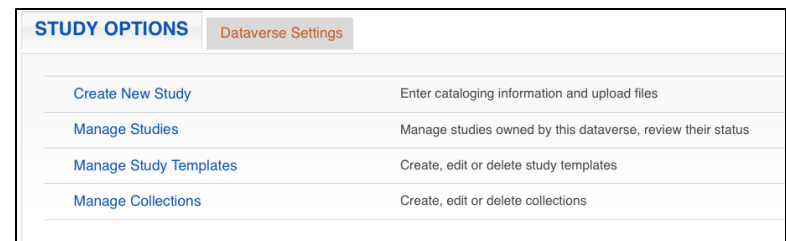
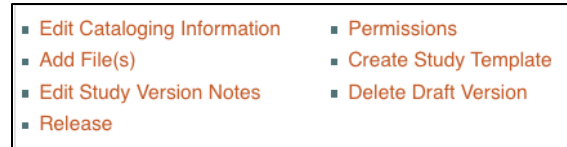
Remove **View All Files**

<input type="checkbox"/>	Category Name	File Name	Found in Version(s)	Permission	User/Group Restricted File Access
<input type="checkbox"/>	Documentation	README.txt	1	Public	
<input type="checkbox"/>	Figures	analysis.png	1	Public	
<input type="checkbox"/>	FITS	spectra.fits	1	Public	
<input type="checkbox"/>	Tables	results.tbl	1	Public	

Save **Cancel**

Release The Study

- If viewing the study to be released, click the “**Release**” link in the Action box on the right side..
- Another way to release a study is from the “*Manage Study*” page:
 - Go to your Dataverse home page.
 - Click on the Dataverse **Options Icon**.
 - Click “**Manage Studies**”.
 - Click on the “**Release**” link on study’s row entry (the far right of the table).



A screenshot of the Manage Studies table, showing a list of study management options:

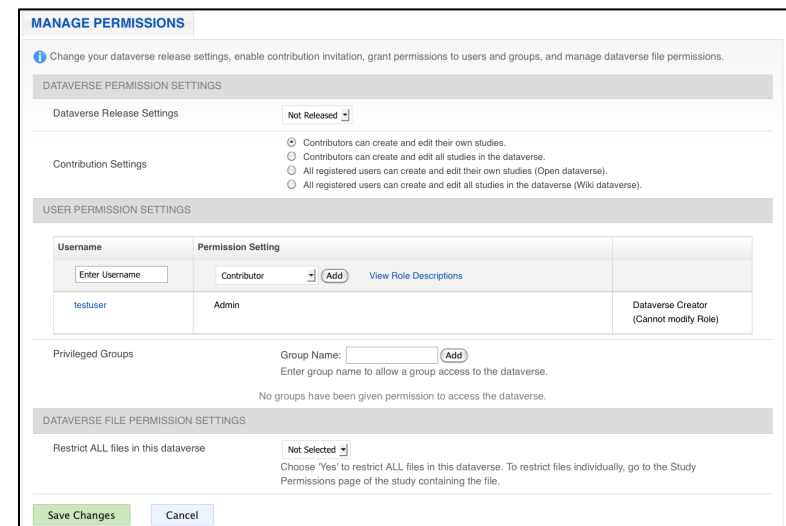
STUDY OPTIONS	
	Dataverse Settings
Create New Study	Enter cataloging information and upload files
Manage Studies	Manage studies owned by this dataverse, review their status
Manage Study Templates	Create, edit or delete study templates
Manage Collections	Create, edit or delete collections

Release the Dataverse

Releasing a Dataverse is as simple as changing the status to released:



1. Navigate to the Dataverse homepage.
2. Click on the “Dataverse options” gear **icon**.
3. Click on the “**Dataverse Settings**” tab.
4. Click on “**Manage Permissions**”.
5. At the top of the page, under “*Dataverse Permissions*”, change the status to “*Released*”.
6. Click “**Save**”.



MANAGE PERMISSIONS

Change your dataverse release settings, enable contribution invitation, grant permissions to users and groups, and manage dataverse file permissions.

DATAVERSE PERMISSION SETTINGS

Dataverse Release Settings: Not Released

Contribution Settings:

- Contributors can create and edit their own studies.
- Contributors can create and edit all studies in the dataverse.
- All registered users can create and edit their own studies (Open dataverse).
- All registered users can create and edit all studies in the dataverse (Wiki dataverse).

USER PERMISSION SETTINGS

Username	Permission Setting
testuser	Admin

Privileged Groups: Group Name: [] Add

No groups have been given permission to access the dataverse.

DATAVERSE FILE PERMISSION SETTINGS

Restrict ALL files in this dataverse: Not Selected

Choose "Yes" to restrict ALL files in this dataverse. To restrict files individually, go to the Study Permissions page of the study containing the file.

Save Changes Cancel

Released, published, & searchable

- You Dataverse is now released and appears on the network homepage for browsing by others.
- Studies in the Dataverse are now searchable from the network homepage. By this definition the data is now “published.”
- Any subsequent editing, including adding files, will create a new draft “version” with those changes until that too is released.
- Updates increment the study version number.
- “Versioning” is an advanced topic to be discussed later.